IN THE CLAIMS:

Please amend the claims as follows:

- 1 33. (Canceled)
- 34. (Previously Presented) An intramedullary nail comprising:

a nail body having a longitudinal axis, a proximal end configured and dimensioned for coupling to an insertion device, and a distal end having a tip configured and dimensioned for insertion into the intramedullary canal of a long bone,

at least three transverse holes extending through the distal end of the nail body, each transverse hole defining a hole axis, and all three transverse holes grouped at the distal end within a distance x measured from the tip of the nail body to the axis of the transverse hole furthest from the tip,

wherein a projection of the three hole axes of the at least three transverse holes in a plane orthogonal to the longitudinal axis is such that at least two of the projected hole axes are at an angle α with respect to one another, where $0 < \alpha < 90^\circ$, and where the distance $x \le 25d$, where d is either the diameter of the largest of the at least three transverse holes or d is the mean diameter of the at least three holes.

- 35. (Previously Presented) The nail of claim 34, where the distance $x \le 7d$.
- 36. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of 58° ≤ α ≤ 62°.

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- 37. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of $59^{\circ} \le \alpha \le 61^{\circ}$.
- 38. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of 43° ≤ α ≤ 47°.
- 39. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of 44° < α < 46° .
- 40. (Currently Amended) The nail of claim[[s]] 34, wherein at least two of the projected hole axes are at an angle α of $35^{\circ} \le \alpha \le 37^{\circ}$.
- (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of 35.5° ≤ α ≤ 36.5°.
- 42. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of $29^{\circ} < \alpha < 31^{\circ}$.
- 43. (Previously Presented) The nail of claim 34, wherein at least two of the projected hole axes are at an angle α of 29.5° ≤ α ≤ 30.5°.
- 44. (Previously Presented) The nail of claim 34, further comprising at least a fourth hole grouped at the distal end of the nail body within the distance x measured from the tip of the nail body to the axis of the transverse hole furthest from the tip.
- 45. (Previously Presented) An intramedullary nail comprising:

a nail body having a longitudinal axis, a proximal end configured and

dimensioned for coupling to an insertion device, and a distal end having a tip configured and dimensioned for insertion into the intramedullary canal of a long bone,

at least three transverse holes extending through the distal end of the nail body, each transverse hole defining a hole axis, and all three transverse holes grouped at the distal end within a distance x measured from the tip of the nail body to the axis of the transverse hole furthest from the tip,

wherein a projection of the three hole axes of the at least three transverse holes in a plane orthogonal to the longitudinal axis is such that at least two of the projected hole axes are at an angle α with respect to one another, where $0 < \alpha < 90^{\circ}$, and where the distance x < 2(n)(d), where n is the number of transverse holes grouped within the distance x from the tip of the nail body and d is either the diameter of the largest of the at least three transverse holes or d is the mean diameter of the at least three holes.

- 46. (Previously Presented) The intramedullary nail of claim 45, wherein the distance x < 1.8(n)(d).</p>
- (Previously Presented) The intramedullary nail of claim 45, wherein the distance x <
 1.5(n)(d).
- 48. (Previously Presented) The intramedullary nail of claim 45, wherein the distance x < 1.4(n)(d)
- 49. (Previously Presented) The intramedullary nail of claim 45, wherein the distal end of the nail includes at least five transverse holes grouped within the distance x, such that n = 5.
- 50. (Previously Presented) The intramedullary nail of claim 45, wherein at least two of the

transverse holes at least partially intersect one another.

- 51. (Previously Presented) The intramedullary nail of claim 50, wherein the at least two intersecting transverse holes are spaced at an angle α of 88* 92* with respect to one another.
- (Previously Presented) The intramedullary nail of claim 45, wherein at least one of the transverse holes includes an internal thread.
- 53. (Previously Presented) The intramedullary nail of claim 45, wherein at least one of the transverse holes includes at least a portion with a conical shape.
- (Previously Presented) The intramedullary nail of claim 45, wherein the nail body has a tubular cross-section.
- 55. (Previously Presented) The intramedullary nail of claim 45, wherein the axes of all transverse holes are located in planes orthogonal to the longitudinal axis of the nail body.
- 56. (Currently Amended) An intramedullary nail comprising:

a nail body having a longitudinal axis, a proximal end configured and dimensioned for coupling to an insertion device, and a distal end having a tip configured and dimensioned for insertion into the intramedullary canal of a long bone,

at least three transverse holes extending through the distal end of the nail body, each transverse hole defining a hole axis, and all three transverse holes grouped at the distal end within a distance x measured from the tip of the nail body to the axis of the transverse hole furthest from the tip,

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wherein a projection of the three hole axes of the at least three transverse holes in a plane orthogonal to the longitudinal axis is such that at least two of the projected hole axes are at an angle α with respect to one another, where $0 < \alpha < 90^\circ$, and where [[the]] a distance a between the tip and the transverse hole closest to the tip is $a \le 5 d$

where d is the diameter of the transverse hole closest to the tip.

- 57. (Previously Presented) The intramedullary nail of claim 56, wherein the distance $a \le 1.5$ d.
- 58. (Previously Presented) The intramedullary nail of claim 56, wherein a plurality of n transverse holes are located in the nail body, and a center of each hole is located at a distance x from the tip of the nail body, where $1.05 (n)(d) \le x \le 3.0 (n)(d)$.
- 59. (Previously Presented) The intramedullary nail of claim 58, where x < (4(d) + (n-1)(2.2d)).
- 60. (Previously Presented) The intramedullary nail of claim 56, wherein a distance b between the axes of two adjacent transverse holes is $b \le 1.5 \ d$.